



Steroidogenesis.ST25.txt
SEQUENCE LISTING

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JUN 30 2003
TECHNICAL SERVICES

<110> Stocco, Douglas M
Clark, Barbara J

<120> Compositions and Methods for Regulation of Steroidogenesis

<130> 18491.40

<140> US 09/612,894

<141> 2000-07-10

<160> 19

<170> PatentIn version 3.2

<210> 1

<211> 1466

<212> DNA

<213> other nucleic acid

<400> 1

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ctgcttggtt ctcaactgga agcaacactc tatagtgacc aggagctgtc ctacatccag	300
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caggctctat cgcagacca gatagagttc gccaaccacc tgcgcaagcg cctggaagcc	900
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 aaaaggccag aacttgaatg aaactaccta caaagggcct ttccagagta ttccaacttt 1380
 tctctgagga gaaatgaaac catcattgtg ccgacttccc tactaatccc atgacaataa 1440
 agaacataca taaaaaaaaa aaaaaa 1466

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 <211> 284
 <212> PRT
 <213> amino acid

<400> 2

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Met Arg Asn Met Lys Gly Leu Arg His Gln Ala Val Leu Ala Ile Gly
 20 25 30

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 35 40 45

Gly Gln Val Arg Arg Arg Ser Ser Leu Leu Gly Ser Gln Leu Glu Ala
 50 55 60

Thr Leu Tyr Ser Asp Gln Glu Leu Ser Tyr Ile Gln Gln Gly Glu Val
 65 70 75 80

Ala Met Gln Lys Ala Leu Gly Ile Leu Asn Asn Gln Glu Gly Trp Lys
 85 90 95

Lys Glu Ser Gln Gln Glu Asn Gly Asp Glu Val Leu Ser Lys Met Val
 100 105 110

Pro Asp Val Gly Lys Val Phe Arg Leu Glu Val Val Val Asp Gln Pro
 115 120 125

Met Asp Arg Leu Tyr Glu Glu Leu Val Asp Arg Met Glu Ala Met Gly
 130 135 140

Glu Trp Asn Pro Asn Val Lys Glu Ile Lys Val Leu Gln Arg Ile Gly
 145 150 155 160

Lys Asp Thr Val Ile Thr His Glu Leu Ala Ala Ala Ala Ala Gly Asn
 165 170 175

Leu Val Gly Pro Arg Asp Phe Val Ser Val Arg Cys Thr Lys Arg Arg
 180 185 190

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Gly Ser Thr Cys Val Leu Ala Gly Met Ala Thr His Phe Gly Glu Met
195 200 205

Pro Glu Gln Ser Gly Val Ile Arg Ala Glu His Gly Pro Thr Cys Met
210 215 220

Val Leu His Pro Leu Ala Gly Ser Pro Ser Lys Thr Lys Leu Thr Trp
225 230 235 240

Leu Leu Ser Ile Asp Leu Lys Gly Trp Leu Pro Lys Thr Ile Ile Asn
245 250 255

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260 265 270

Arg Leu Glu Ala Ser Pro Ala Ser Glu Ala Gln Cys
275 280

<210> 3
<211> 14
<212> PRT
<213> Amino acid

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<210> 4
<211> 12
<212> PRT
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<400> 4

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<210> 5
<211> 19
<212> PRT
<213> Amino acid

<400> 5

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Pro Glu Gln

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<210> 6
 <211> 6
 <212> PRT
 <213> Amino acid

<400> 6

Asn Gln Glu Gly Trp Lys
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<210> 7
 <211> 9
 <212> PRT
 <213> Amino acid

<400> 7

Ala Glu His Gly Pro Thr Cys Met Val
 1 5

<210> 8
 <211> 11
 <212> PRT
 <213> Amino acid

<400> 8

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 1 5 10

<210> 9
 <211> 25
 <212> DNA
 <213> other nucleic acid

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 <223> n = (a or c or g or t/u) or (unknown or other)

<220>
 <221> modified_base
 <222> (6)..(6)
 <223> r = a or g

<220>
 <221> modified_base
 <222> (9)..(9)
 <223> y = c or t/u

<220>
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 <222> (12)..(12)
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<220>
 <221> misc_feature
 <222> (15)..(15)
 <223> n = (a or c or g or t/u) or (unknown or other)

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<220>
 <221> misc_feature
 <222> (18)..(18)
 <223> n = (a or c or g or t/u) or (unknown or other)

<220>
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 <222> (21)..(21)
 <223> y = c or t/u

<400> 9
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25

<210> 10
 <211> 25
 <212> DNA
 <213> other nucleic acid

<220>
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 <222> (5)..(5)
 <223> r = a or g

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 <221> misc_feature
 <222> (8)..(8)
 <223> n = (a or c or g or t/u) or (unknown or other)

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 <222> (11)..(11)
 <223> n = (a or c or g or t/u) or (unknown or other)

<220>
 <221> misc_feature
 <222> (14)..(14)
 <223> n = (a or c or g or t/u) or (unknown or other)

<220>
 <221> modified_base
 <222> (17)..(17)
 <223> r = a or g

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 <221> modified_base
 <222> (20)..(20)
 <223> y = c or t/u

<220>
 <221> misc_feature
 <222> (23)..(23)
 <223> n = (a or c or g or t/u) or (unknown or other)

<400> 10
 ccatrcangt nggncrtgy tcngc

25

<210> 11
 <211> 17
 <212> DNA

<213> other nucleic acid

<220>

<221> modified_base

<222> (3)..(3)

<223> y = c or t/u

<220>

<221> modified_base

<222> (6)..(6)

<223> r = a or g

<220>

<221> modified_base

<222> (9)..(9)

<223> r = a or g

<220>

<221> misc_feature

<222> (12)..(12)

<223> n = (a or c or g or t/u) or (unknown or other)

<400> 11

aaycarcarg gntggaa

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<210> 12

<211> 17

<212> DNA

<213> other nucleic acid

<220>

<221> misc_feature

<222> (6)..(6)

<223> n = (a or c or g or t/u) or (unknown or other)

<220>

<221> modified_base

<222> (9)..(9)

<223> y = c or t/u

<220>

<221> modified_base

<222> (12)..(12)

<223> y = c or t/u

<220>

<221> modified_base

<222> (15)..(15)

<223> r = a or g

<400> 12

ttccanccyt cytgrrt

17

<210> 13

<211> 401

<212> DNA

<213> other nucleic acid

<400> 13

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aaggagatca	aggtcctgca	gaggattgga	aaagacacgg	tcatcactca	tgagctggct	240
gcggcggcag	caggcaacct	ggtggggcct	cgagacttcg	tgagcgtgcg	ctgtaccaag	300
cgcagaggtt	ccacctgtgt	gctggcaggc	atggccacac	attttgggga	gatgccggag	360
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 <212> RNA
 <213> other nucleic acid

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augcggaaua	ugaaaggauu	aaggcaccaa	gcugugcugg	ccauuggcca	agagcucaac	180
uggagagcac	ugggggauuc	cagucccggg	uggauugguc	aaguucgacg	ucggagcucu	240
cugcuugguu	cucaacugga	agcaacacuc	uauagugacc	aggagcuguc	cuacauccag	300
cagggagagg	uggcuangca	gaaggccuug	ggcuaucuca	acaaccagga	aggcuggaag	360
aaggaaagcc	agcaggagaa	cggggacgaa	gugcuaagua	agauggugcc	agaugugggc	420
aagguguuuc	gcuuggaggu	ggugguagac	cagcccaugg	acagacucua	ugaagaacuu	480
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cugguggggc	cucgagacuu	cgugagcgug	cgcuuacca	agcgagagg	uuccaccugu	660
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aaacucacuu	ggcugcucag	uauugaccug	aagggguggc	ugccgaagac	aaucaucaac	840
cagguccuau	cgagaccca	gauagaguuc	gccaaccacc	ugcgcaagcg	ccuggaagcc	900
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gaagcucuca	caggaagccu	gcaagucugu	ccaucuucag	cuaacagcau	cgggaggggu	1020
gguagucagg	agacacuagg	acugacuggu	aaaauccagga	ucagcaaaaau	agaaaugagg	1080
cuuagaauaa	aaguucucua	gugucuccca	cugcauagcu	gugaaggcua	agggauaagu	1140
agcuauaaaa	ccuuucaucu	aggcuuguau	augcugaccu	aaaagacacc	agcagcuacg	1200
aacaggggga	gcuaaggauc	gggaacuguu	gucuuaccag	cuccaaaugu	aacuaccuga	1260

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aggcagugug cacacaaagc aaggucuugc cuaggaaacu cuguaaaagu ucuccucugu 1320
 aaaaggccag aacuugaug aaacuaccua caaagggccu uuccagagua uuccaacuui 1380
 ucucugagga gaaaugaaac caucauugug cgcacuucc uacuaauccc augacaauaa 1440
 agaacauaca uaaaaaaaaa aaaaaa 1466

<210> 15
 <211> 722
 <212> DNA
 <213> other nucleic acid

<400> 15
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 caaggggttg ctgcccaga gcatcatcaa ccaggtcctg tcccagacct aggtggattt 660
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 ac 722

<210> 16
 <211> 134
 <212> DNA
 <213> other nucleic acid

<400> 16
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 gggggcccca cccc 134

<210> 17
 <211> 19
 <212> DNA
 <213> other nucleic acid

<400> 17
 actggaagcc tgcaagtct 19

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<210> 18
 <211> 285
 <212> PRT
 <213> other nucleic acid

<400> 18

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Gln Glu Leu Asn Arg Arg Ala Leu Gly Gly Pro Thr Pro Ser Thr Trp
 35 40 45

Ile Asn Gln Val Arg Arg Arg Ser Ser Leu Leu Gly Ser Arg Leu Glu
 50 55 60

Glu Thr Leu Tyr Ser Asp Gln Glu Leu Ala Tyr Leu Gln Gln Gly Glu
 65 70 75 80

Glu Ala Met Gln Lys Ala Leu Gly Ile Leu Ser Asn Gln Glu Gly Trp
 85 90 95

Lys Lys Glu Ser Gln Gln Asp Asn Gly Asp Lys Val Met Ser Lys Val
 100 105 110

Val Pro Asp Val Gly Lys Val Phe Arg Leu Glu Val Val Val Asp Gln
 115 120 125

Pro Met Glu Arg Leu Tyr Glu Glu Leu Val Glu Arg Met Glu Ala Met
 130 135 140

Gly Glu Trp Asn Pro Asn Val Lys Glu Ile Lys Val Leu Gln Lys Ile
 145 150 155 160

Gly Lys Asp Thr Phe Ile Thr His Glu Leu Ala Ala Glu Ala Ala Gly
 165 170 175

Asn Leu Val Gly Pro Arg Asp Phe Val Ser Val Arg Cys Ala Lys Arg
 180 185 190

Arg Gly Ser Thr Cys Val Leu Ala Gly Met Ala Thr Asp Phe Gly Asn
 195 200 205

Met Pro Glu Gln Lys Gly Val Ile Arg Ala Glu His Gly Pro Thr Cys
 210 215 220

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Met Val Leu His Pro Leu Ala Gly Ser Pro Ser Lys Thr Lys Leu Thr
225 230 235 240

Trp Leu Leu Ser Ile Asp Leu Lys Gly Trp Leu Pro Lys Ser Ile Ile
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Lys Arg Leu Glu Ser His Pro Ala Ser Glu Ala Arg Cys
275 280 285

<210> 19
<211> 1641
<212> DNA
<213> other nucleic acid

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